

TFW

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Art Unit : 2122  
Examiner : Not Yet Known  
Serial No. : 10/645,982  
Filed : August 22, 2003  
Inventors : Dean Thompson  
Title : COMPUTER PROGRAM  
: OPTIMIZATION  
:



22469

Docket No. 3005669-0003-R

Date: July 28, 2004

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Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

**Certificate of Mailing Under 37 CFR 1.8**

For

Postcard  
Information Disclosure Statement  
Form PTO-A820 w/ copies of publications

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to the Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450, on the date appearing below.

Name of Applicant, Assignee, Applicant's Attorney  
or Registered Representative:

Schnader Harrison Segal & Lewis, LLP  
Customer No. 022469

By: \_\_\_\_\_

*Debra Q. Hill*

Date: \_\_\_\_\_

*7/28/04*



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**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P. O. Box 1450  
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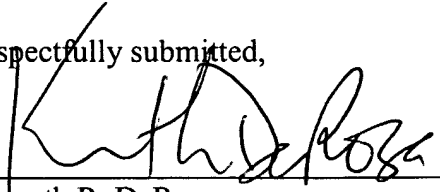
Sir:

We submit herewith the usual Form PTO-1449 together with copies of publications listed therein. They are submitted to comply with the Applicant's duty of disclosure under 37 C.F.R. § 1.56 and are believed related to this application.

We are submitting this IDS in the spirit of voluntary disclosure and look forward with interest to the Examiner's action at an early date on the merits of the case. This IDS is being submitted before the first Office Action on the merits; as such, no fee is believed to be due.

It is accordingly requested that the Information Disclosure Statement be officially entered in the file of this case and that appropriate notification be made that it was considered in the prosecution of the case.

Respectfully submitted,

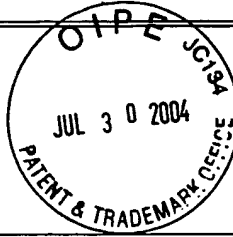
  
\_\_\_\_\_  
Kenneth R. DeRosa  
Reg. No. 39,549  
Attorney for Applicants

KRD:dh  
(215) 751-2405

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PATENT AND TRADEMARK OFFICE

**LIST OF PRIOR ART CITED BY APPLICANT**

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ATTY. DOCKET NO.  
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**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL*		DOCUMENT NUMBER								DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	4	9	3	5	8	7	7		6/1990	Koza			
	AB	6	5	3	2	4	5	3		3/2003	Koza			
	AC													
	AD													
	AE													
	AF													
	AG													
	AH													
	AI													
	AJ													
	AK													

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AL							
	AM							
	AN							
	AO							
	AP							

**OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)**

	AR	Cramer, N.L., A Representation for the Adaptive Generation of Simple Sequential Programs, <u>Proceedings of An International Conference on Genetic Algorithms and Their Applications</u> , July 24-26, 1985 at Carnegie-Mellon University, Pittsburgh, PA, John J. Grefenstette, Editor, pp. 183-187.
	AS	Droste, S. and Wiesmann, D., On Representation and Genetic Operators in Evolutionary Algorithms, In <u>Reihe Computational Intelligence</u> . Collaborative Research Center 531, University of Dortmund, 1998, pp. 1-34
	AT	DeJong, K.A., Spears, William M., Using Genetic Algorithms to Solve NP-Complete Problems, in <u>Proc. Of the Third International Conference on Genetic Algorithms</u> , Morgan Kaufmann, San Mateo, CA (1989) pp.124-132

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	AU						
	AV						
	AW						
	AX						
	AY						
	AZ						

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							YES	NO
	BA							
	BB							
	BC							
	BD							
	BE							

**OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)**

	BF	Hu, X., and Eberhart, R. Solving Constrained Nonlinear Optimization Problems with Particle Swarm Optimization, 2002.
	BG	Kirkpatrick, S., Gelatt, D Jr., and Vecchi, M.P., Optimization by Simulated Annealing., <u>Science</u> , Vol. 220, No. 4598, May 1983, pp.671-680.
	BH	Sendhoff, B., Kreutz, Martin and vonSeelen, W., A Condition for the Genotype-phenotype Mapping: Causality. <u>Proceedings of the Seventh International Conference on Genetic Algorithms (ICGA)</u> , 1997, pp. 73-80.
	BI	Thornton, C., The Building Block Fallacy. <u>Cognitive and Computing Sciences, University of Sussex</u> , January 1997, pp.1-9.
	BJ	Wolpert, David H. and Macready W.G., No Free Lunch Theorems for Search, <u>The Santa Fe Institute</u> , February 1995, pp. 1-32

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	BK						
	BL						
	BM						
	BN						
	BO						
	BP						
	BQ						
	BR						

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							YES	NO
	BS							
	BT							
	BU							
	BW							

**OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)**

BX	Holland, J.H., Adaptation in Natural and Artificial Systems, <u>The University of Michigan Press</u> , Sections 6.1, 6.2, and 8.4, 1975.
BY	Simon, H. A. The Architecture of Complexity: Hierarchic Systems. <u>Proceedings of the American Philosophical Society</u> , 106, December 1962, pp. 467-482.
BZ	Simon, H.A., The Sciences of the Artificial. <u>MIT Press</u> . 1969. Chapter 4.

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